



## NOTES

Standard Quality and Form  
sold by all western college  
book stores owned and con-  
trolled by the institutions  
they serve.

No. C-580E





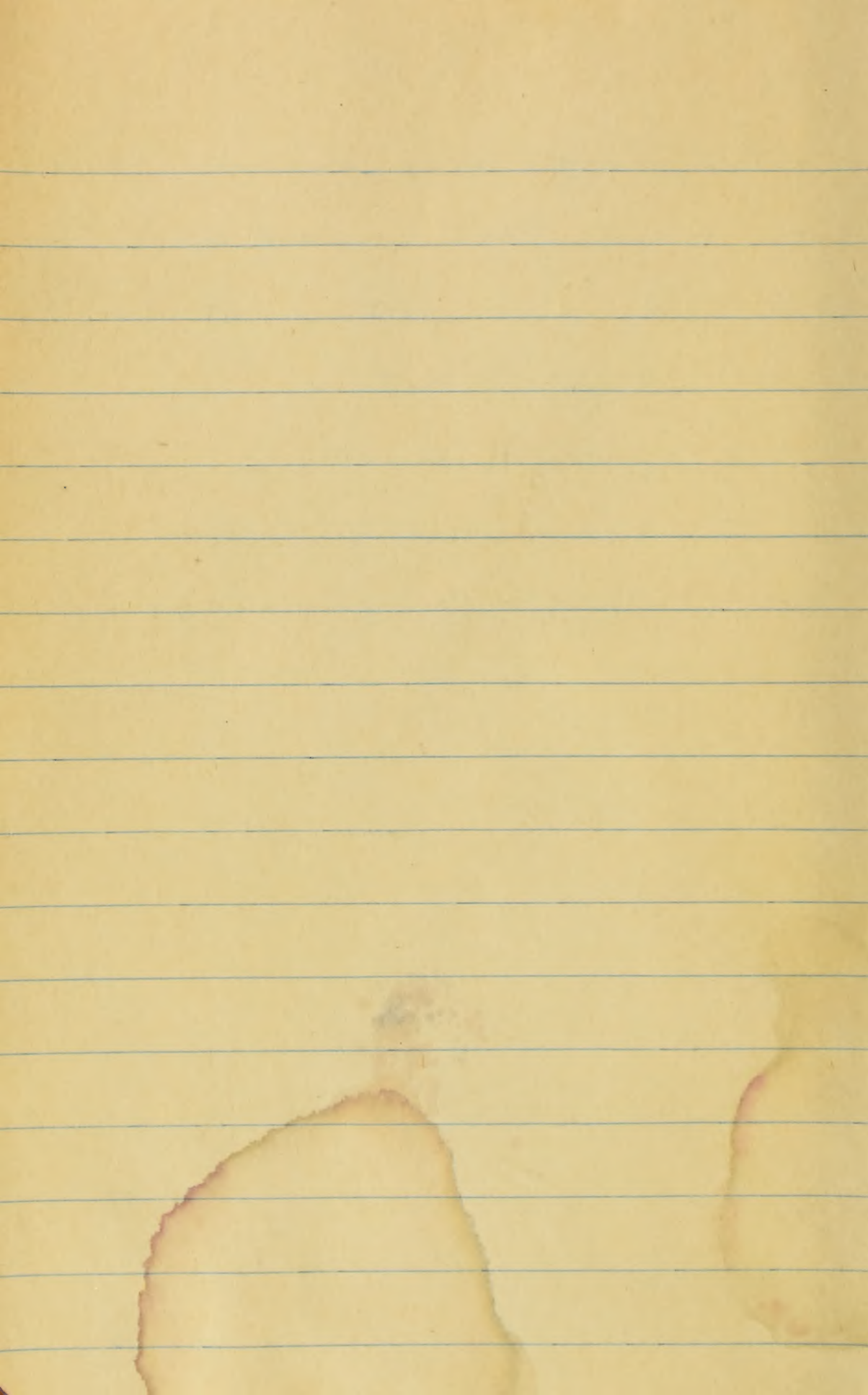
This notebook is of considerable value  
to the owner and a reward will be  
paid if the finder returns it to:

Reed C. Rollins

Dudley Herbarium

Natural History Museum

Stanford University, California





2936

*Ribes sanguineum* Pursh, var. *glutinosa* (Benth.) Wendl.  
shrub. 3-5 ft. high, fls. rose, wooded slope,  
Coast Range, about 10 miles northwest of Palo  
alto, San Mateo Co., Feb. 22, 1941

2937

*Cardamine californica* (Walt.) Greene

fls. pink, moist bank, Coast Range, about  
8 miles northwest of Palo Alto, San Mateo Co.,  
Feb. 22, 1941

2938

*Osmaronia cerasiformis* (T. & G.) Greene

shrub 3-6 ft. high, fls. white, wooded  
hillside, about 10 miles northwest of  
Palo Alto, San Mateo Co., Feb. 22, '41

2939

*Raphanus sativus* L.

Roadside about 10 miles south of San  
Francisco, San Mateo Co., Feb. 23, 1941

2940

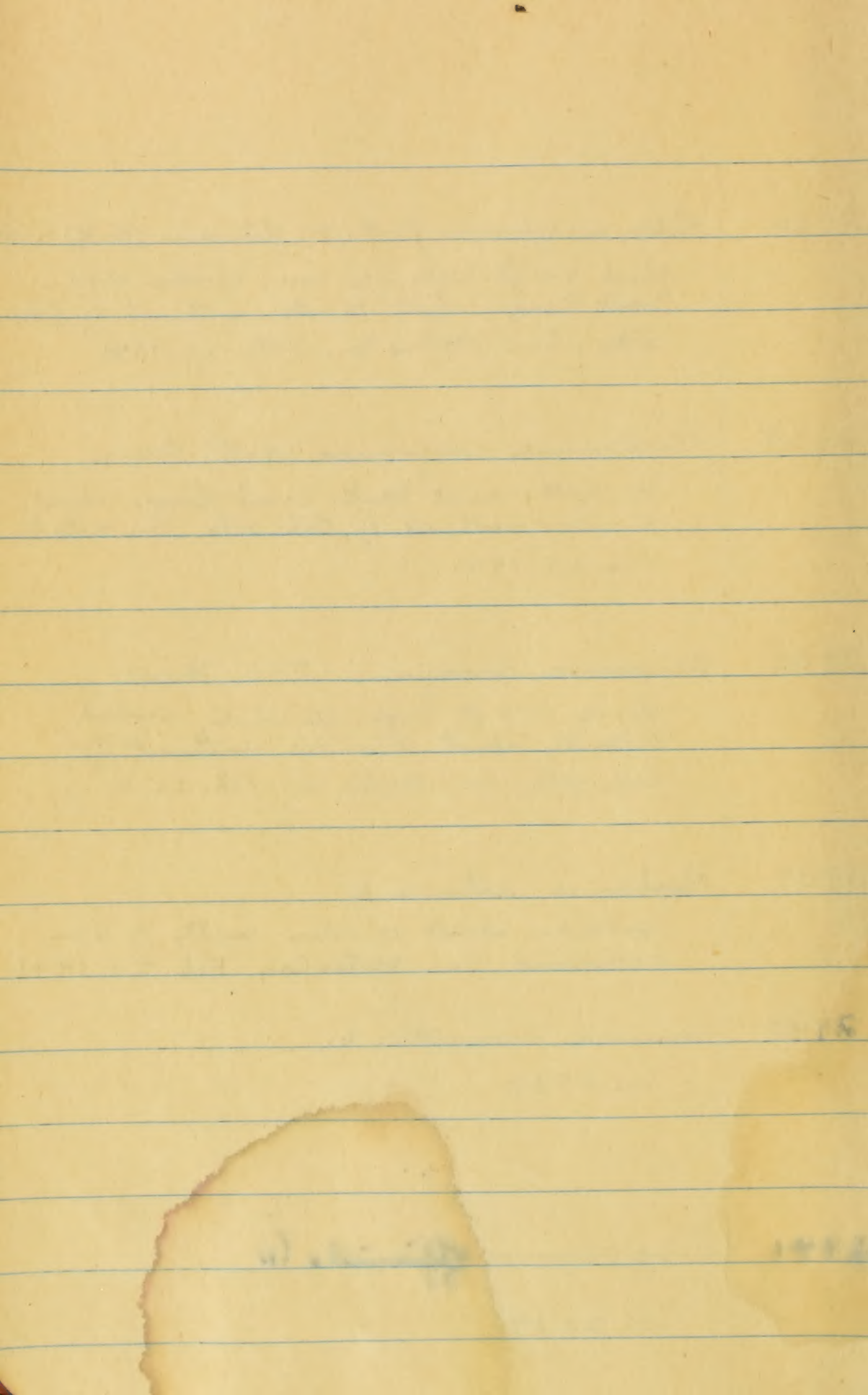
*Brassica campestris* L.

as 2939

2941

*Sisymbrium officinale* L.

as 2939





2942

*Cynoglossum grande* Dougl.

Fls. blue, wooded slope, 8 miles northwest of Palo Alto, San Mateo Co. Feb. 22, 1941

2943

*Cardamine californica* (Nutt.) Greene

fls. pink, forest floor, east slope of Kings mt., about 6 miles west of Woodside, Santa Cruz mts., San Mateo Co., March 16, 1941

2944

*Solanum umbelliferum* Esch.Fls. purple, green-stemmed ~~sub~~ shrub, 2-4 ft. high, thicket -- as 2943

2945

*Ribes sanguineum* Purshvar. *glutinum* (Benth.) Bond.  
Fls. deep pink, dry ravine, west slope of Santa Cruz mts., about 35 miles south of San Francisco, San Mateo Co., March 16, 1941

2946

*Erysimum capitatum*

Rocky steep slope, 3 miles east of Half Moon Bay, Santa Cruz mts., San Mateo Co., March 16, '41 - siliques four-angled - slightly flattened.

2947

*Cardamine integrifolia*

Fls. pink, young siliques brownish, moist swale in the open, about 3 miles northwest of Woodside, San Mateo Co., March 16, 1941

31.  
of which I have  
about 100  
and 1000



2948 *Sisyrinchium bellum* S. Wats.

Fls. purplish, growing in clumps in open meadow, 1 mile north of Belmont, San Mateo Co., March 22, 1941

2949 *Sidalcea malvaeflora* (DC) Gray

Fls. pink. - as 2948

2950 *Arabis blepharophylla* H. & A.

Fls. pink, 6" - 1 ft. high, open slopes, stems several, perennial, San Bruno Hills, 2 miles southeast of Daly City, San Mateo Co., March 22, 1941

2951 *Erysimum franciscanum* Rosebadi ined.

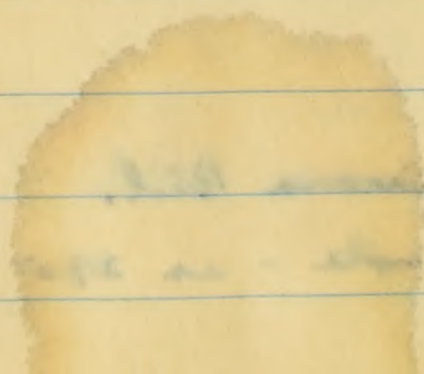
Fls. lemon-yellow, siliques somewhat flattened, as 2950.

2952 *Arabis glabra* (L.) Bernh.

Fls. slightly lemon-yellowish, open slope, as 2950

2953 *Collinsia franciscana* Biol.

Fls. bluish-purple - as 2950





2954

*Cardamine californica* var. *integrifolia*

open swale, 4 miles north west  
of Woodside, San Mateo Co., fls.  
light pink to white, - basal (rhizome)  
leaves cuneate.

March 30, 1941

2955

*Viola Douglasii* Steud.

grassy hillside Mt. Hamilton Range  
16 miles east of San Jose, Santa Clara Co.

fls. yellow + brown - March 30, 1941

2956

*Orthocarpus erianthus* Benth.

as 2955

2957

*Dodecatheon Clevelandii* Greene

as 2955

2958

*Dodecatheon Hendersonii* Gray

steep moist bank, Mt. Hamilton Range,  
14 miles east of San Jose

March 30, 1941





2959

*Cardamine californica* var. *typ.*

moist bank and forest floor, Santa Cruz mts., 12 miles northwest of Palo Alto, San Mateo Co.,

Fls. pink

March 29, 1941

2960

~~Rosipha~~ *Barbarea*

moist ravine, near road, 4 miles northwest of Palo Alto, San Mateo Co.,

March 29, 1941

2961

*Thymocarpus*

open woods - 2 1/2 miles east of Cherry Hill School,

San Benito Co. April 19, 1941

with wiggins & Keck  
these material not assigned - wiggins & Rollins

2962

*Thymocarpus*

3.3 miles east of Loma Prieta, Mon.

, dry hot serpentine slope, April 19, 1941, ca. 2000 ft.





2963

*Thysanocarpus*

grassy hillside,  $\frac{1}{2}$  mile east of  
Emmett School, near Tres Pinos  
Creek, alt. 1000 ft., April 17, 1941

2964

*Cardamine californica*

var.

as above - 2963 - rhizome cylindrical.  
connection very fragile.

2965

*Caulanthus lasiophyllus*

Shady dry bank, 2 miles northwest of  
Los Altos, Santa Clara Co., Calif.

May 17, 1941. —





- 2961 *Cakile edentula* <sup>(Bigel.) Hook.</sup> ~~Hook. f.~~ var. *californica*. (Heller) Fernald  
Sandy knolls along the beach,  
Half Moon Bay, San Mateo Co., Calif.  
July 19, 1941 - petals inconspicuous  
forming clump.
- 2962 *Cakile maritima* (L.) Scop.  
Fls. purplish - forming mats - abundant  
and often intermixed with the above.  
as no. 2961.
- 2963 *Phacelia*  
Fls. white, loose granitic soil, near  
Middle Fork of Stanislaus, about  
16 miles west of Vardanelles  
Tuolumne Co., alt. ca. 6000 ft., July 26, 1941
- 2964 *Cryptantha simulans* Greene Borage  
Fls. white. - as 2963
- 2965 *Arabis rectissima* Greene  
open pine forest - granitic soil,  
as 2963



2966 *Menziesia dispersa* Wats.

Fls. yellow - as 2963.

2967 *Rorippa*

near small creek, tributary of Middle Fork of  
Stamblans River, ca. 8 miles west of  
Gardanelles, Tuolumne Co. -

ca. 6,500 ft.

July 26, '41

2968 *Lupinus selinus* Kell.

Dry flat in open area between ponderosa  
pines - near ~~Middle Fork of Stamblans R.~~ <sup>Deadman Creek</sup>, ca. 2  
miles east of Gardanelles ca. 6,000 ft.

Tuolumne Co.,

July 26, '41

2969

*Psoralea* *Parishii* (Covet. & Rose) Nels. & Mick.  
Umbelliferae

as no. 2968

2970 *Cardamine Breweri* Watson

Small stream at the edge of the water -  
Fls. white. - as 2968.





2971

*arabis platysepma*

Fls. often white at first - turn pink as it expands.  
 petals barely enclosing sepals, perennial,  
 granitic soil - dry open slopes in open stand  
 of pine. near Deadman Creek ~~to the~~

west of Sonora Pass - ca. ~~8~~ mi. east of  
 Dardanelles, ca. 7,500 ft. -

July 26, 41

2972

*arabis Halboellii* var.

Siliques rather strictly reflexed - granite rocks,  
 as 2971

2973

*Descurainia californica*

as 2972

2974

*Hakelia Jessicæ* (Noyes) Brand

clumps, fls. blue - as 2971

2975

*Pinus emarginata* (Dougl.) Wals.

shrub 4 - 8 ft. silvery older bark.

steep hillside - as 2971

2976

*Scrophularia californica* Cham.

in the rocks as 2971





2977

*Phlox Douglasii* Hook.

Sonora Pass, Sierra Nevada farming area,  
 Mts., fls. light pink, Mono Co. -

alt. 9600 ft.

July 26, '41

2978

umbellifer

Fls. creamy white, dry slope in loose soil.

as 2977

2979

*Pteroxia terebinthina* (Hook.) C. & R. umbellifer  
 var. *californica* (C. & R.) Mathias  
 Fls. yellow. - as 2978.

2980

*Aralis platysperma*

petals pink - dry slope in loose soil. -

as 2977

2981

*Calochortus Leichtlinii* Hook.

petal white - brown streaks on back, purplish -  
 brown blotch on inside - stems 1-4 inches  
 high - dry slope with purple

2 miles east of Sonora Pass, ca 9,000 ft.  
 Mono Co.,

as July 26, '41

2982

*Penstemon speciosus* Dougl.

as 2981

fls. - purple



2983

*arabis sparsiflora* var. *subullosa*siliques spreading - arcuate - growing  
with *purshia* & *artemisia*

as no 2981

2984

*Thalictrum Fendleri* Engelm.

as 2981

2985

*Orobancha californica* C. & S. s. prophyte  
var. *congestosa* (Rydb.) Murr.

as 2981

2986

*Penstemon heterodoxus* Gray, subsp. *typicus* Keck  
det. Keck 1947Under pines - near trib. of Walker <sup>River</sup> ~~Creek~~  
about 4 mi. east of Sonora pass etc.

alt. 8,500 ft.

Mono Co.,

July 26 -

2987

*Arabis Drummondii*

ls. white or pinkish - as 2986

2988

*Prunus Anderssonii*

Shrub 3-5 ft. high - dry rock

slope - with *artemisia tridentata* ca  
8 mi.1 East side of Sonora pass <sup>Mono</sup> ~~Alpine~~ Co.,

alt. ca. 7,000 ft.

July 29 41





2989

*Arabis platysperma*

rock crevices - as 2988 -

2990

*Peonia Brownii* Dougl.moist open slope, near granitic rocks,  
clumps, - open pine - *P. contorta*.4 miles east of Sonora Pass, <sup>mono</sup>~~Calif.~~  
Co., alt. ca. 8,500 ft.

July 27, '41

2991

*Allium Aeschwaie* M.E. Jones

Fls. purple - open dry slope - as 2990

2992

*Trillium lilioides* (Ait. f.) Greenevar. *analinia* (Greene) HooverPerianth yellow with dark brown stripes - dry  
grassy slope, 2 miles west of Sonora Pass  
granitic soil - ca. 9000 ft.

Tuolumne Co.,

July 27, '41

2993

*Trillium suffrutescens*among sagebrush - variable as to amount of  
wood at base, siliques shiny reflecting,  
as 2992

2994

Fern

Rock crevices - as 2992 -





2995

Fern

as 2994

2996

*Arabis Holboellii* Hornem., var. *punctatum*.

*silicula pendulous* - rock crevices

2997

*Peustonia breviflora* Small. Scrophulariaceae

Fls. pale - nearly white with a tinge of  
purple - shrubby at base, 2-4 ft. high.  
granitic soil near rocks, 6 miles west  
of Sonora Pass, alt. ca. 8,000 ft -

Tasolunne Co.,

July 27, 41



2998

*Limnanthes Douglasii* R.Br.

with M. Doty

open field, fls. white, about 3 miles west  
of Coyote, Santa Clara Co., Calif. -

April 1, 1942

2999

*Cardamine californica* (Nutt.) Greene

with M. Doty

moist shaded bank, 5 miles northwest of Los  
Gatos, Santa Clara Co., Calif. - April 1, 1942

Redwood area - Santa Cruz mts.

3000

*Cardamine californica* (Nutt.) Greene

with M. Doty

moist shaded bank in the Redwood area, Santa  
Cruz mts., 4 miles northwest of Portola,  
San Mateo Co., Calif. - April 1, 1942.





3001

Solana

Shrubby, up to 1 m. high, corolla purple  
 southeast slope of the San Bernabe  
 hills, about 1 mile west of Pasadena  
 San Mateo Co., May 29, 1942

3002

Castilleja

Stems 1 to several, (bracts) fls. bright  
~~orange~~  
 red, grassy slope as 3001

3003

Eriogonum

Shrub about 1 m. high forming a  
 dense thicket, fls. pale pink,  
 steep slope - as 3001

3004

Salvia

In crevices or rocks or supported by  
 shrubs, with the rock,

as 3001

3005

Eriogonum

petals white, erect, filaments very  
 lightly compressed parallel to right  
 erect, with slender filaments - steep  
 slope. all in small fruit - stems  
 single

3006

Arabis Vespernigra

Fls. pubescent, purple, prostrate, stems  
 not erect





3007 *Euphorbia*

Fls. lemon yellow, filigree compound  
slightly parallel to septum, stems  
single from base  
as 3001

3008 *Valeriana?*

Fls. pale pink, stem, stem - as 3001

3009

*Valeriana*

Stems: nearly prostrate, young stems  
Hesperis - as 3001

3010

*Orthocentrus*

Fls. pink, yellow-tipped, annual  
as 3001

3011

*Valeriana*

Stems: nearly prostrate, young stems  
purple - as 3001

3012

*Valeriana*

Fls. purplish pink, pendulous,  
perennial,

3013

*Valeriana*

Stems prostrate, fls. yellow



3014 Polypodium  
crevices of rocks, San Bruno Hills,  
1 mile south of Daly City, San  
Mateo Co., April 21, 1962

3015  
Selene selene - as 3014  
grassy slopes

3016  
fls. scarlet,  
open hillside - as 3014

3017 Iris  
sagebrush to shrub, small dune  
on a hillside - as 3014 - fls. blue

3018  
perennial: fls. lavender,  
open hillside - as 3014

3019 Collinsia  
5-6 cm weak, fls. purple - fls.  
white - as 3014





3020 Orthocentrus

one side to purple white green  
bicolor on head

3021

Camp

as 3020

3022

Orthocentrus

near North River, 1 mile south  
of Seward Ave, S. 1/2 mi. S. 1/2 mi. S.  
May 12, 1942

3023

Cardamine

3024

Arabis aculeolata

with Pinus ponderosa and Arctostaphylos.  
Horkelia, Agoseris & Delphinium.

sepals and petals purple rose-purple, stems  
usually numerous.

Rough + Ready Creek, 5 miles so. of Cave Junction.

Rocky, basaltic flat.



3025

*Arabis aculeolata* Greene

Stony outwash on Little Rock Creek,

2 miles southwest of O'Brien, Josephine Co.  
Oregon. - May 19, 1942 -*Pinus ponderosa* - *Larocedrus* - *pseudotsuga* with  
*Arctostaphylos*, *Quercus* + *Amelanchier*.

3026

*Arabis sparsiflora* Nutt.  
var. *arcuata*.Base of canyon walls, a woody caudex highly  
branched, stems numerous, siliques arcuate,  
pubescence spreading. near the Merced River,~~Yosemite Valley~~2 miles west of the entrance to Yosemite  
National Park, Mariposa Co., Calif.

June 15, 1942

3027

*Rorippa subumbellata*petals yellow, stoloniferous, stolons very slender  
or thread-like. loose sand on the shore of  
Lake Tahoe, Meeks Bay, Eldorado Co.,  
alt. 6225'

Calif.

Sept. 9, 1942





3028

*Rorippa curvilingua* (Hook.) Bessy

perennial probably - stems decumbent, petals yellow - siliques straight to slightly curved. - sandy beach, Lake Tahoe, Meeker's Bay. Sept. 9, 1942

= *var. orientalis* Stuckey

3029

*Phacelia leucophylla* Torr., var. (?)

det. L. Constance

perennial, fls. white, loose granitic sand along the beach, Meeker Bay, Lake Tahoe, Eldorado Co., Calif. Sept. 9, '42  
alt. 6225 ft.

3030

*Rorippa curvilingua* var. *orientalis* Stuckey

⑨

Erect, annual?, siliques straight to slightly curved upward, one plant from sunny location - others in partial shade of *P. ponderosa* + *P. contorta*. granitic soil, Meeker Bay, near Lake Tahoe, Eldorado Co., Calif. - alt. 6225 ft.

Sept. 9, 1942.

3031

*Rorippa curvilingua* (Hook.) Bessy

decumbent, perennial, ~~fls.~~ fls. yellow, moist areas along the shore of Mud Lake about 7 miles south of Palo Alto, Santa Clara Co., Calif.

July 30, 1942



3032

*Cakile maritima*

Dense clumps on hummocks of sand,  
 fls. pinkish purple, Miramar  
 Beach, about 5 miles north of  
 Half Moon Bay, San Mateo Co., Calif.  
 Nov. 4, 1942.

3033

*Cardamine integrifolia*

com leaves mostly of a single <sup>three rounded</sup> lobes, fls. white  
 to pink. - open grassy hillside,  
 1 mile south of Carmel, Monterey Co.,  
 March 12, 1944.

3034

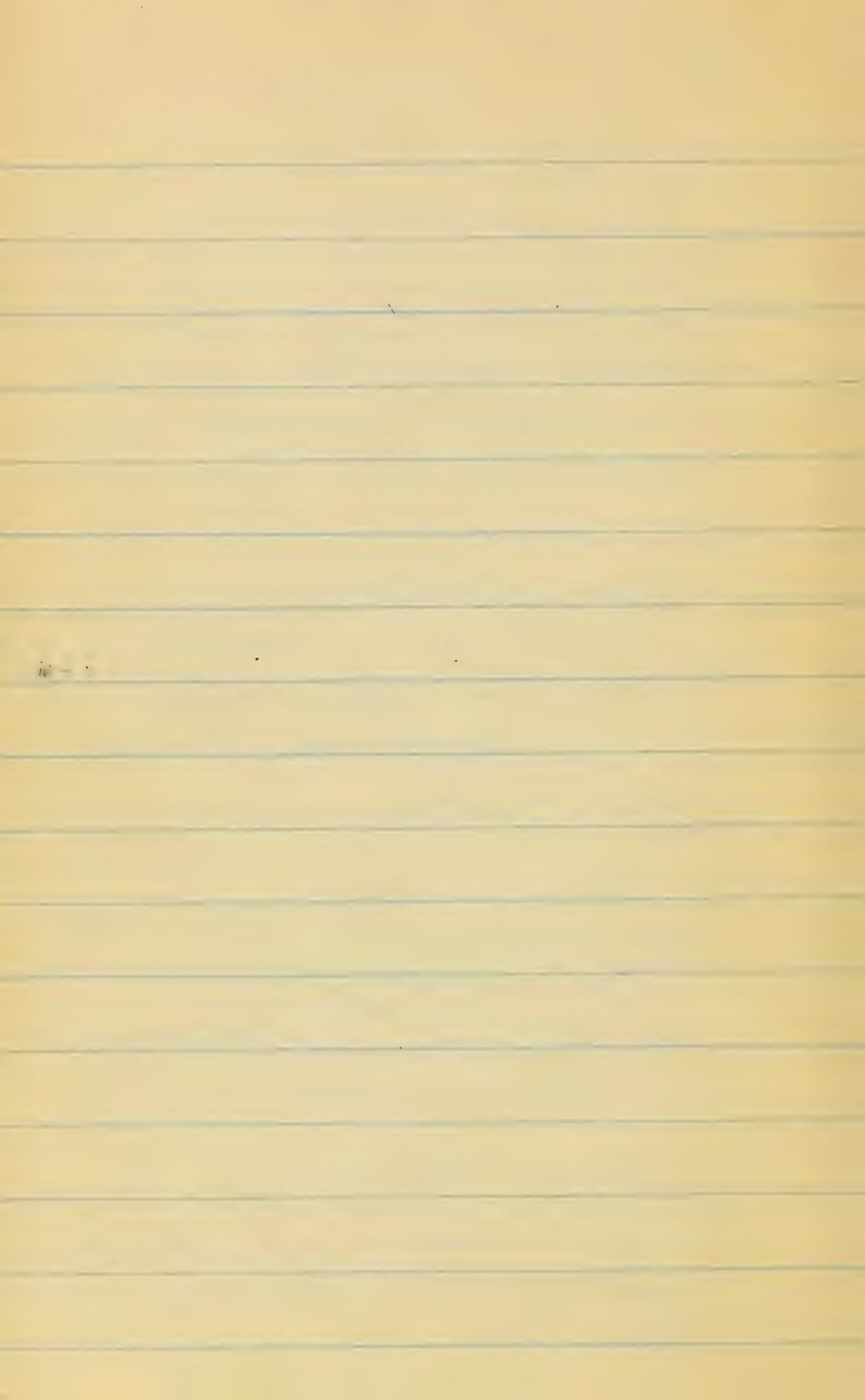
*Cardamine integrifolia*

com leaves of three lobes mostly, sometimes  
 single-lobes rounded - under pines near  
 sand dunes of Monterey Bay, 1 mile  
 northwest of Pacific Grove, Monterey Co.,  
 Calif. - March 12, 1944

3035

*Cardamine integrifolia*

moist slope under the pines, Del Monte  
 Properties, 2 miles south east of Monterey,  
 March 12, '44





*Dentaria integrifolia* Nutt.

3036

*Cardamine* var. *californica* (Nutt.) Tapa.

corn leaves pinnate or bipinnate, moist hillside under the oaks, 8 ~~mi~~ miles southeast of Monterey, Monterey Co., Calif. March 12, 1944

3037

*Lepidium nitidum* Nutt. !

Siliques purplish from above, greenish below, annual, basal leaves pinnatifid - usually branching from base to apex. -

open undisturbed lot - with *Baccharis*, *Orthocarpus*, *Plagiobothrys* etc.

Salinas, California - April 20, 1944

3038

*Nemophila*

mint  
~~dry~~ hillside, oak - ~~Errodia~~

Chualar Canyon, Babalan Range, ca.

10 miles east of Salinas, Monterey Co.,

May 7, 1944

3039

*Collinsia*

Dry hillside - as 3038



3040 *Arabis glabra*

shade of oaks, steep hillside - Chualar  
Canyon, Gabilan Range, ca. 10 miles east  
of Salinas, Monterey Co., May 7, 1944.

3041 *Cakile maritima* Scop.

Marina Beach, Monterey Co.,

Sept. 3, 1944.

3042 *Lepidium nitidum* Nutt.

Dry hillside, western slopes of  
Mount Diablo, Contra Costa Co., Calif.

March 25, 1946

3043 *Ulinum* ~~serotinum~~ *serotinum* Nutt.

Fls. purple, full sun - open  
serpentine slope - as 3042

3044 *Lepidium nitidum* Nutt.

Hillside, as no 3042

3045 *Gilia multicaulis* Benth.

Dry serpentine slope - as 3042





3046

*Streptanthus flavescens* Nutt.*Silene tricolor*, figure

Fls. creamy yellow - buds usually same color - occasionally purplish. Siliques inflated in white wing of ca. 1 mm. petals within purple, petals ranging from white to robust.

Scrubland atop, western slope of Mount Diablo, March 25, 1946  
Santa Clara County

3047

*Isopyrum scaberrimum* Nutt.

petals pale purple - sepals rock white - 2 miles west of San Gabriel Creek - Mt. Hamilton Range, March 27, 1946 - Santa Clara Co.

3048

*Physalis divaricata* (Benth.) Gray  
petals pale purple, anthers

6.8 miles east of San Gabriel Creek on road to San Antonio Valley, March 27, 1946 -

3049

*Isopyrum tricolor* Nutt.

leaves pale purple, throat deep purple, same as 3046



4053 *Impatiens* *curvipes* Hook.  
on a slope, 6.5 miles east  
of San Isabel, 3 miles west of San  
Antonio, La. - Mt. Hamilton Range  
March 27, 1942

4054 *Athyrium* *puberulum* (Hook.) Greene  
March 27, 1942

4055 *Geranium* *Dentaria* *virginica* Nutt.  
Fls. white, oak forest floor  
3 mi. west of San Isabel Center  
Mt. Hamilton Range - Santa Cruz Co.  
March 27, 1942





(3)

arc *pubescens* (C.A. Meyer) Roll.  
var. *elongata* Rollins

street-weed Churchill Co.

(3)

*Stenogyne* *hirsuta* Torr.  
open fields 13 miles east of  
Rollins

(2)

*Stenogyne* *purpurea* (Pursh) Britt.  
at 2000'

~~Stenogyne~~ *Carlaanthus pilosus* Wats.  
1-3 ft high, open fields - as 3000'  
sepals deep purple; basal leaves  
pinnatifid



51

2057 *Castilleja* Nutt.

358 Arabis Hallii Hornem.  
var. retrofracta (Dah.) Rydb.  
359

3259 *Artemisia sparsiflora*, var. *subvillosa*  
as 3057

Caularthrus crassicaulis (Torr.) Wats. (5)

Superior - Brainerd, July 1901

3061 *Lycopodium purpureum* (Torr.) Taper  
Shrub, apparently - 1-2 ft. high  
as before

2067 *Astragalin* *Pyrophellus* A. Nels. (3)

3009	Lupinus	(3)
------	---------	-----

3064 Phil. *Cassipourea* Nutt.

5





(nels.) Roll

7

Cochise Co

7200

*oblongifolia* (Nutt.) Don. (5)  
var. *nevadensis* (A. nels.) L. Wms.

*lignifera* A. nels. (?)

30

alt. 7600 ft.

Nutt.

6

4 miles southwest of Lake City, Co. to  
to Randolph. Alt. 7000 ft.

Page 10

3069

*Lesquerella biflora* Nutt.  
as 3068

3070

*Lesquerella prostrata* A. Nels.

Stems decumbent, leaves knoll, 7

in the west of the city - Knoll

alt. 6500 ft. - June 17, '46

3071

*Lesquerella*

in the west of the city - Knoll

south of Woodruff, Rich Co. Ill.

alt. 6500 ft. - June 17, '46

3072

*Lesquerella prostrata* A. Nels.

as 3071

3073

*Lesquerella decumbens* (Nutt.) A. Gray?

Stems light yellowish, open fls.

7 miles south of Woodruff, Rich Co. Ill.

alt. 6500 ft. - June 17, '46

June 17, '46

(4)





3052 *Alpinia* Roll. (6)

3055 *glauculocarpa* det. (a. nels.) Brand. (4)

3056 ~~Roll.~~ Hook. (5)

3057 *(Pursh)* Britt. Roll. (8)

3071 *L. Wm.* (3)

3079 *alpina* (Nutt.) Wats.

in Gray



3080 *Physcia australis* (Payson) Roll.

Sharp hillsides, near North Fork  
of the Cañon, 14 miles northwest of Durango  
County, Utah. June 14, 1902.

3081 *Physcia* - in Utah

near type of *Physcia* - rocky hillside  
about 10 miles west of Durango  
County, Utah. June 14, 1902.

3082 *Calicia congesta* Hook. (5)  
var. *Burleyana* (A. Nels.) Condit. & Roll.  
*Burleyana*

3083 *Calicia flava* (A. Nels.) Payson (2)

*Calicia flava* - in Durango

16 miles northwest of Durango

June 14

3084 *Rollinsii* Tolhurst (6)

*Rollinsii* - in Durango

16 miles northwest of Durango

June 14

June 19



not in day  
→



36 x 72

12

24



3084 *Saxifraga linifolia* Nutt.

as 3084

3085 *Longivilla* *Rollins* (3)

Light colored slender herb. Soft

lanceolate leaves. 3 inches high

head of Buck Canyon - Durango - ~~the~~ Williams

road. June 11, 1915 - alt. 6500 ft

Monte ~~Alto~~ *Alto*

3087 *Parthenium alpinum* var. *longistylum*

note as 3086

3088 *Parthenium alpinum* var.

light colored long knoll, flowers

white with yellow centers - Durango

May alt 6500 ft - same place

3089 *Cryptantha flava* (A. Nels.) Payson? (2)

Fls yellow. stems succulent - alt

6500 ft - same place

2 miles north of head of Buck Canyon

Durango - Buck Canyon - June 11



3092

*Stragulus bicauleatus* Gray  
var. *decalvans* Roll.

(4)

Stems numerous from base - an

7489

3091

*Phacelia australis* (Payson) Rollins

(3)

Small, upright, slender plant. Golden  
yellow flowers. 5

along north & south of Snake Canyon

Snake Canyon, Gray mts. alt. 5

June 20, 46 - alt. 6000 ft.

(purple) Britt.

(5)

*Phacelia* (James) Roll.

Bad lands, 14 miles west of Grand,

Utah Co., June 20 '46

3093

*Parthenium ligulatum* (Zinn) <sup>Barneby</sup> Roll.

Light-colored heavy shale, purple

ss. - near Indian Creek, <sup>high</sup> on the

slopes of the canyon wall, 4 miles

southeast of Suckman, Suckman Co.

alt. 6000 ft.

June 21, 46



3294

*Hedysarum borale* Nutt.  
var. *utahense* (Rydb.) Roll.

Near D. C. Farrells house - 7911

57 - Salt Lake City - 7-1-49

3295

*alysoides* L.

6

32917

3096

*Puffin* *argentea*

collected - Salt Lake City Aug. 1, 1949

acc. 4254 from southwest of Mapimi,  
Sonora.

3097

*P. argentea*

acc. 42338 - int type - San Antonio, Tex

Aug 11, 1949 - 9th year

3098

*P. argentea*

acc. 42198 - Santiago Park, Bismuth Co  
Tex

Aug 11, 1949

3099

Natural light *P. argentea* 2 weeks

acc. 42223 - 25 - west of Victoria  
Zacharias, Wash.





3100

*Psidium argenteum*acc 4224 - 2-30 miles west  
of Zane's Junction

Schubert Aug 1, 44

3101

*Psidium argenteum*acc 4240 - ca 20 miles west of  
Zane's Junction

Schubert Aug 1, 44

3102

*Psidium*acc 4275 1 1/2 mi SE of Ship's Point,  
Co.

Schubert Aug 1, 44

3103

*Psidium*acc 4272 - OZ Ranch, 1/2 mi  
SE of Zane's Junction

Schubert Aug 1, 44

3104

*Psidium*acc. 4352 - southward of Sanderson,  
Tarrant Co.

Schubert Aug 1, 44

3105

*Psidium*

acc 4242 - near Sanderson, Tarrant Co.

Schubert Aug 1, 44



3106

*P. nica*

acc. 4257  
 5 mi. east of Sallin Road, 4.8.4. 1940  
 - road side boundary from one field  
 to case public L.S. provided to

3107

Hybrid (artificial) ca. 63 ch.

*P. nica* ♀ x *P. arguta* ♂

3108

Hybrid (artificial) ca. 63 ch.

*P. arguta* ♀ x *P. nica* ♂

3109

Hybrid (artificial) ca. 63 ch.

*P. arguta* ♀ x *P. nica* ♂

3110

Natural hybrid (ca. 63 ch.)

*P. arguta* x *P. nica* - acc. 4260

20 mi. east of Passage, Anago

3111

Natural hybrid (ca. 63 ch.)

acc. 4251 - natural - 1940

Aug. 1, 40

3112

Natural hybrid (artificial) (ca. 63 ch.)

*P. arguta* x *P. nica*

Hans Schaffer - 1940

Nov. 1, 1940





3113

Artificial hybrid

*P. argent.* (75%) x *P. incanum*.

3114

Natural hybrid -

*P. argent.* x *P. incanum*, acc. 42254high-aborient - high chr. - *P. argent.*

3115

*P. argentatum*

35 lbs

South of Joplin, Missouri

Summer Nov. 7, '44

acc. 42255

3116

Natural hybrid -

acc 42261 - Springfield 20 mi west  
of Excelsior, Tenn.

Solms Nov. 1, '44

3117

*P. argent.*

acc 42140 23 type - OC Ranch

ca. 52 miles W of Joplin -

bushy ground

3118

*P. Nat. hybrid* - seed from *P. incanum*

OC Ranch, Tenn.

acc 42142

bushy ground



- 3119 *P. argentatum*  
 canyon below. Platte & near the Pichillo Ranch  
 just below Pichillo Ranch  
 Pichillo Ranch - acc. 42230
- 3120 *P. argentatum* (of the type of)  
 El Ranch - ca 52 mi. E. of Pichillo  
 Pichillo Ranch - acc. 42242
- 3121 Not hybrid - straight purple  
 acc 4140 - no other like sp.
- 3122 Not hybrid - straight purple  
 acc 42244 - high ca. in the Pichillo  
 sp.
- 3123 *P. argentatum* - straight purple  
 acc 42246  
 20 mi. east of Pichillo  
 Pichillo Ranch
- 3124 *P. argentatum* - straight purple  
 acc 42247  
 20 mi. east of Pichillo  
 Pichillo Ranch

1 11 11 11

3125

*P. argutatum* — *like type but*  
 southeast of Sanderson  
Tarnell Co.

3126

*P. argutatum* — *with grayish*  
 acc. 42356 — west of Tarnus,  
 Brewster Co., July, 1944

3127

*P. argutatum* (rough-stemmed)  
 acc. 42365 — 20 miles east  
 of Ft. Stockton, Pecos Co.

3128

*P. argutatum* (rough-stemmed)  
 acc. 42248 — A.D. Neal Ranch  
 northwest of Alpine, Brewster Co.

3129

Natural hybrid (on the Nevada side)  
 acc. 42418 20 miles south of  
 Marathon, Brewster Co.

3130

*P. argutatum* — straight grayish  
 acc. 422-23 ca 10 mi. west of  
 Catron, Chacabuco  
 Aug. 1, 44 Salinas





3131 *P. argentatum* (int. type under  
like type specimen)  
see 4274 - 1 1/2 mi south of Shafter,  
Presidio Co., - Salinas Aug. 1, '44

3132 *P. argentatum* undiluted  
see 42218 - Fresno Canyon,  
southeastern Presidio Co.

3133 *P. tomentosum* DC., var. *lyxatum*  
16-18 kilometers above Tonkin, near Ahualulco,  
Oaxaca, Mex.

3134 *P. tomentosum*, var. *stansum*  
6-8 miles south of Culiacan on road to  
Guirigay - Sonora, Mex.

3135 *P. confertum* Gray, var. *lyxatum*  
seed collected in Val Verde Co., Texas  
grown at Stanford - coll. July 1945  
2n = 68 chr.

3136 *P. confertum* var. *lyxatum*  
sandy  
2n = 102  $\pm$  chr.



3137 artificial hybrid - *P. argentata* (72 chr.)

X *P. ricinum* - 2n = over 100 chr.

1214 - 26

3138 artificial hybrid - same as 3137 except  
hybrid normal 2n ca. 72 chromosomes

3139 *P. argentata* - 36 chr.

4203 selfed - 1944

3140 art hybrid

1286-8 - F<sub>1</sub> normal

3141 self natural hybrid. - high chr. aberrant

1291

3142 rough almost selfed - high chr.

1290

3143 normal hybrid. 54 72 chr.

1207

4144 normal hybrid. 7 72 chr

1248





4145 normal hybrid

1250

4146 normal hybrid

1227-9

4147 normal hybrid

1239

4148 normal hybrid

1211-3

4149 normal hybrid

1225

4150 normal hybrid

1239

4151 normal hybrid

4152-5 1227-12 - normal

4152 normal hybrid

1241



4753 natural hybrid - on outside side

4268 -

4154 natural hybrid - above & (strongly)

4268 - 541

4155 natural hybrid -

1245 - 1

4156 P. argentea

var 416

4157 artificial hybrid - stem

44 - 1213 - 16

4158 artificial hybrid - normal

44 - 1213 - 2



4159 *Streptanthus* <sup>inflatus</sup> ~~californicus~~ (Wats.) Greene  
ca. 30 miles north of Coalinga,  
Fresno Co., Calif.  
(N = 10 (?) det. Mary River  
1947)  
march 15, 1947

4160 *Streptanthus* <sup>inflatus</sup> ~~californicus~~ (Wats.) Greene  
11 miles east of Mohave, Kern Co.,  
Calif.  
(N = 10 det. Mary River - 1947)  
march 15, 1947

4161 *Orobanchaceae* <sup>N. Th.</sup> ~~Orobanchaceae~~  
var. ~~lutea~~ <sup>many</sup>  
gravelly outwash, 2 miles north of  
needles, San Bernardino Co., Calif.  
march 16<sup>th</sup>. 1947

4162 *Hymenocallis* ~~arabida~~ T. & G.  
Host of Orobanchae above -  
shrub ca. 2 ft. high.  
as. no 4161





4163

*Streptanthus longistylus* (Coville) Roll  
*Caulanthus*

Sand dunes near Colorado River, 1 mile  
 north of Topog<sup>Mohave Co.</sup>, Arizona  
 March 16, '47

4164

*Dithyrea californica* Hauss.

n=10

as 4163

4165

*Arabis perennans* S. Wats.

Caliche formation at edge of juniper  
 belt, ca. 5 miles east of Goldroad,  
 Mohave Co., Arizona - March 16, '47

4166

*Streptanthus cordatus* Nutt.

Foliage bluish, petal-tips purple, among  
 junipers, 1/2 mile northwest of Peach  
 Springs, Mohave Co., Arizona  
 March 16, '47

n=12 - det.  
 Mary River  
 1947

4167

*Lesquerella arizonica* S. Wats.

as no. 4166

n=5 - det. Mary River 1947



4168

*Dithyrea* ~~undulata~~ *undulata* Engelm.

Sandy soil, roadside - 2 miles northeast  
of Sacaton, Pinal Co., Arizona  
March 18, 1947

4169

*Cardamine*

grassy hillside,  
Pacheco Pass, 28 miles east of  
Gilroy, Santa Clara Co., Calif.

March 21, 1947

4170

*Rorippa*

weedy in the  
herb. garden, Carnegie

~~Rorippa~~  
Laboratory, near Heather, Toluca  
Co., July 8, 1947

4171

*Streptanthus tortuosus* Kell.var. *orbicularis* (Drum.) Hall

Sepals purplish; petals brownish, ~~veined~~  
veined, with light tan margins.

near large granite boulders, near  
Yosemite Creek, Yosemite National  
Park, Mariposa Co., alt. 7,200 ft.

July 9, 1947

N. = 5  
det. Mary  
Rivers - 1947





4172 *Arabis*

Slender, slightly reflexed - as no. 4171

4173 *Arabis*

*(Heterocarpus alpinus?)*

Petals pinkish-purple

fairly even long dry rocky soil

limestone slopes, 44 miles above Carnegie

Cabin, <sup>Harvey Eugene Natural</sup> Hall ~~Forest~~ Area, Mono Co.

Calif. - alt. 10,200 ft. July 9, 1947

4174 *Draba* ~~homonis~~ *montana*

Rock crevices, near Saddlebag Lake,  
Inyo National Forest, Mono Co. Calif.

alt. 10,200 July 10, 1947

4175 *Arabis heterocarpa* Gray

var. *Howellii* (Carter) Taper

Talus slopes - as 4174



4176 *Streptanthus tortuosus* Roll.  
var. *obscurellus*

as 4175

4177 *Arabis Holboellii* Hornem., var. *pseudocarpa*  
(Lam.) ?

Rare specimen, just below Saddlebag  
Lake - as 4176

4178 *Draba Breweri* S. Wats.

Fls. white - as 4177

4179 *Desmanthus californicus* (Gray) Vahl  
very small, near head of Cabin Creek  
Harvey Monroe Hall natural area,

alt. 10,000 ft. - Mono Co., Calif.

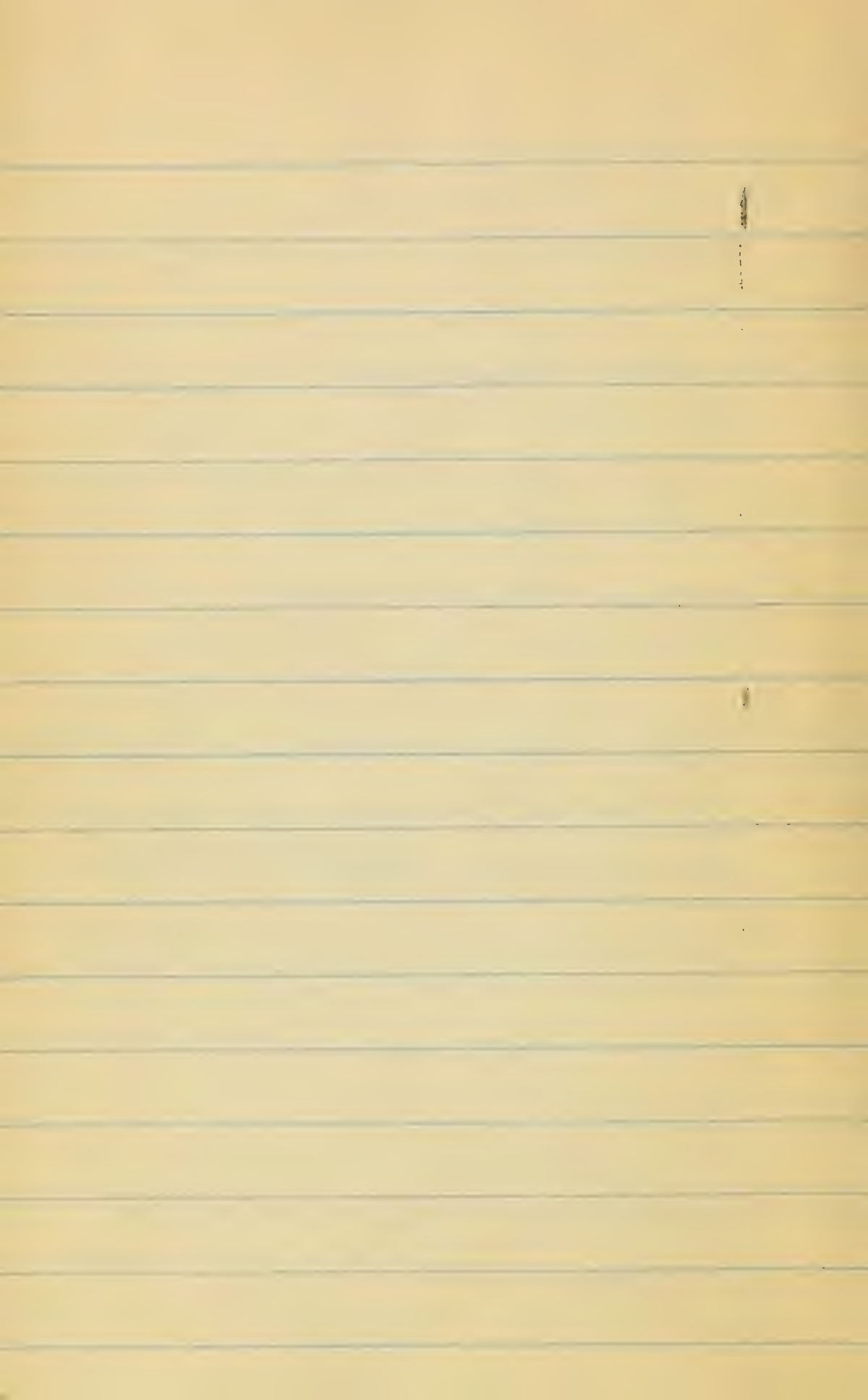
July 10, '47

4180 *Arabis*

1 leafed ?

dry slope, under yucca - west

as 4181



4181 *Arabis platysperma*

as 4180

4182 *Arabis divaricarpa* A. Nels., var. *interposita*,  
X *A. platysperma* X *A. Drummondii* (?)

Similar to 4180 200 yds below it  
on the dry slope - note as 4181

4183 *Asplenium tortuosum* Kell.  
var. *arborescens*

crevices of rocks, near Cabin, Carnegie  
Tranquill Station, Harney, Mono Co., Calif.

alt. 10,200 ft. - July 10, '47

4184 *Arabis platysperma* Gray

var. *Drummondii* (Nels.) Tuck.

petals pink, slope of Middle Ridge  
above Slate Creek, N of Hall Rd.

alt. 10,200 ft. - July 12, '47

4185 *Arabis stenosoba* Ledeb.

as 4184 var. *nana* (Schulz) C. L. Hitchc.





4186 *Arabis lyallii* Wats., var. *rufigena*  
near summit, rocky steep slope,  
near summit of Middle Rider, 1 mi  
S.E. of Upper Treble Lake. alt.  
10,300 ft. - H. M. H. Nat. etc.  
July 10<sup>th</sup>

4187 *Eryngium capitatum* (Dougl.) Greene  
var. *placens* (Wats.) Nash in fr.  
Rocky bank near upper Treble Lake  
as 4186 - alt 10,350 ft.

(a) - *A. Lemmonii*

4188 (b) *Arabis* x *A. Lemmonii*  
stems horizontal or loosely ascending,  
Rocky point at north end of Upper  
Treble Lake alt 10,400 ft.

4189 *Xarabis Lemmonii*

Same place as 4188 & may  
be same thing



4190 *Arabis Lyallii*, var. *nubigena* (Nash. & Payson) Rollins  
Rock crevices, pass between Upper  
Tribble Lake and Spulder Lake;  
H. M. Hall etc.  
alt. 10,500 ft. July 10<sup>th</sup>

4191 *Arabis Holboellii* Hornem. var. *pendulocarpa*.  
dry rocky knoll, south side of  
Spulder Lake - as 4190  
alt. 10,450 ft

4192 *Arabis Holboellii* Hornem., var. *pendulocarpa*  
~~Siliques pendulous~~  
very dry rocky site - as 4191

4193 *Arabis inyoensis* Rollins  
(*inyoensis*)

Rock crevices between Spulder Lake  
and Fantail Lake, H. M. Hall etc.  
alt. 10,200 ft. July 10<sup>th</sup>





4194

*Androsace Breweri* Wats.

alt. spring, near highway,

Lassen Co., Calif.

alt. 8,000 ft

July 11, '47

4195

*Erycinum tectifolium* Nutt.

dry sandy slope, open chaparral

&amp; pine area, ca. 3 miles south

west of Rancho Q, Santa Cruz

Co., Calif.

May 11, 1947

4196

*Dentaria integrifolia* Nutt.var. *californica* (Nutt.) Jeps.

moist bank &amp; hillside - Redwood Ass. -

ca. 2 miles east of La Honda, S. M. Co.

May 7, 1942



4197

*Lesquerella Fendleri* (Gray) Wats.open limestone knoll, about 20 miles south  
of Del Rio, Kinney Co., Texas -

Feb. 3, 1943

4198

crucifer - weed

as 4197 - roadside.

4199

*Nerisyreria camporum* (Gray) Greene

Fls. whitish, south of Laredo, Zapata

Co. - Texas - Feb. 7, 1943

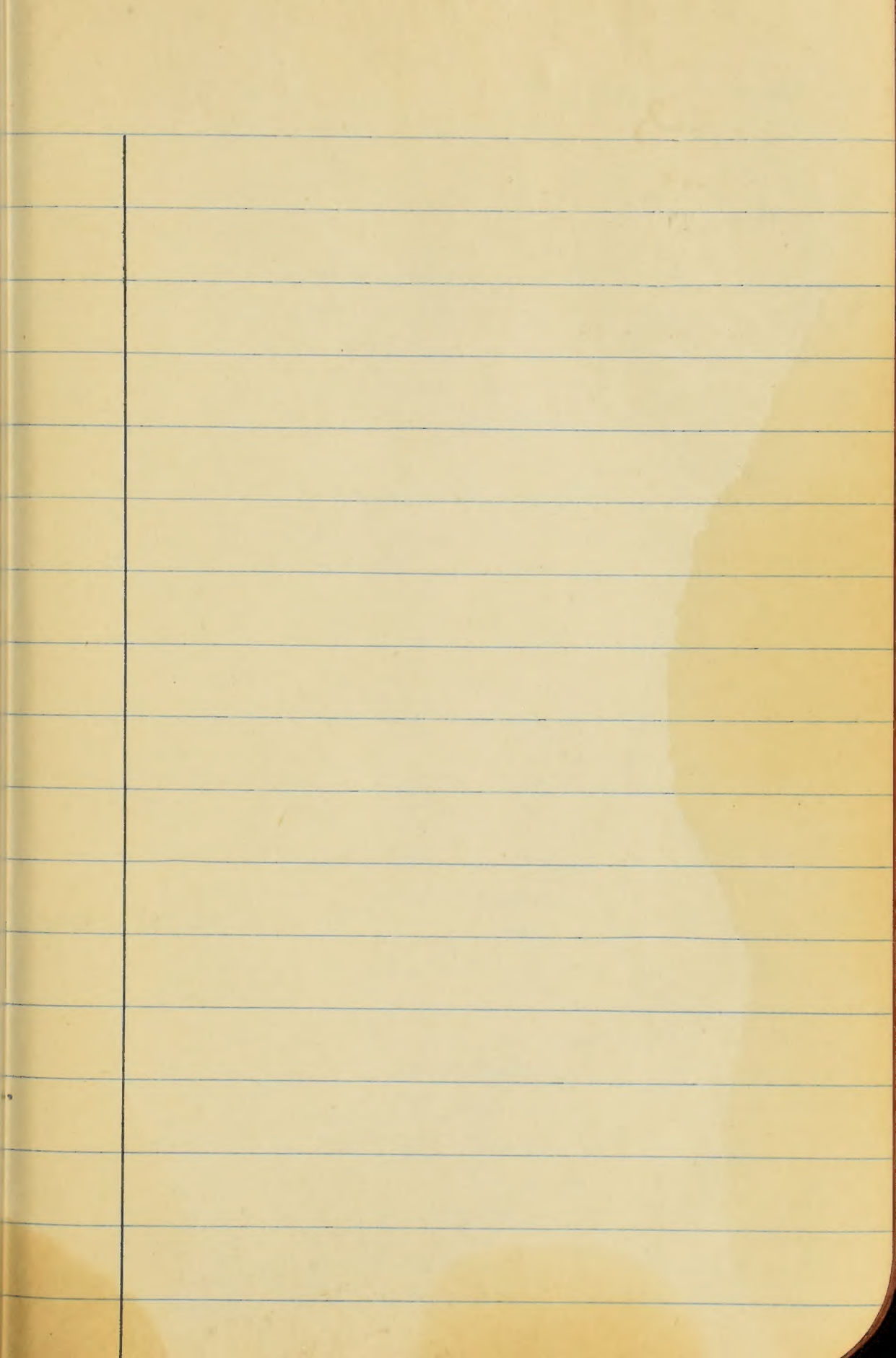
4200

*Lesquerella Fendleri* (Gray) Wats.perennial, widely branching, open limestone  
slope, ca. 16 miles north of Eagle Pass,  
Maverick Co., Texas. - Feb. 3, 1943

Red Mountain - Madison Co.

*Arabis modesta*

Scott River ? Seabury Co.  
Klamath River





# Fish, Safe, Flight

Speedometer Reading.

Palo alto - May 10, 41  
63204

Willetts  
3, pare, 167y 4 482

72500V20

O: 105459IZ

96420IZ

96687IZ

Car

Palo alto May 23<sup>rd</sup>. -  
personal

May 10 - lunch 0.88

Dinner 0.77

Cabin - 1.00

post card - early - 10

May 11<sup>th</sup>  
Breakfast - 40

Lunch - 67

Cabin 1.25

May 12<sup>th</sup>

Breakfast 0.87

Lunch 0.10

May 13<sup>th</sup>

Lunch 0.21

Bread - .10

Dinner - .31

Cabin - 1.00

May 14<sup>th</sup>

Breakfast .47

Lunch .46

String .05

Dinner .75

Cabin 1.25

May 15<sup>th</sup>

Breakfast 0.40

early 0.05

Dinner 0.75

Cabin 1.00

May 16<sup>th</sup>

Breakfast 0.25

Lunch 0.50

Dinner 0.80

Cabin 1.00

Rep. Mendix - 0.75

Breare - 1.25

Gas. May 17 - 1.38

Bridge toll - .25

" " - .25

" " - .50

" " - .35

Ferry - .80

Oil May 20 - 0.60

" May 23 - 0.60

Rep. timer - 2.00

May 11<sup>th</sup> Food - 1.09

May 12 " 0.35

May 13 0.30

May 17

Breakfast 0.30

Lunch 0.65

Dinner 0.90

Cabin 0.90

May 18

Breakfast - 0.25

Dinner 0.55

Cabin 0.75

May 19<sup>th</sup>

Breakfast 0.40

Dinner 0.75

Cabin 1.40

May 20

Breakfast 0.25

Lunch 0.50

Dinner 0.70

Cabin 1.25

May 21

Breakfast 0.30

Lunch 0.62

Dinner 0.77

Cabin 1.75

May 22<sup>nd</sup>

Breakfast - 0.36

Lunch - 0.51

Dinner - 0.82

Cabin - 1.50





